SILICON
CONSULTING ENGINEERS

SC/QC/110V-Y1/2021-22-2

Date: 10-06-2022

To,
The Executive Engineer,
Yelahanka Division,
Bangalore.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Item No	Description of work	Unit	Qty	Remarks
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled	Cum	1116.26	Work done upto the Billed Quantity and the Quality is Satisfactory
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine	Cum	368.69	Work done upto the Billed Quantity and the Quality is Satisfactory
3	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever	Tn	20.26	Work done upto the Billed Quantity and the Quality is Satisfactory
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at	Cum	325.69	Work done upto the Billed Quantity and the Quality is Satisfactory
5	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials,	Sqm	1707.41	Work done upto the Billed Quantity and the Quality is Satisfactory
6	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form	Sqm	83.76	Work done upto the Billed Quantity and the Quality is Satisfactory
7	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and	Cum	133.72	Work done upto the Billed Quantity and the Quality is Satisfactory
8	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished	Nos	5544.00	Work done upto the Billed Quantity and the Quality is Satisfactory
9	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	873.25	Work done upto the Billed Quantity and the Quality is Satisfactory
10	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, 60mm thick using cement and course sand for manufacture of blocks of approved size, shape and colour with a	Sqm	310.31	Work done upto the Billed Quantity and the Quality is Satisfactory

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E-mail siliconcivilengineers@gmail.com

Item No	Description of work	Unit	Qty	Remarks
11	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in	Cum	2247.94	Work done upto the Billed Quantity and the Quality is Satisfactory
12	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour,	Sqm	6999.92	Work done upto the Billed Quantity and the Quality is Satisfactory
13	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a	Cum	846.30	Work done upto the Billed Quantity and the Quality is Satisfactory
14	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with	Cum	1153.06	Work done upto the Billed Quantity and the Quality is Satisfactory
15	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at	Sqm	5641.98	Work done upto the Billed Quantity and the Quality is Satisfactory
16	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting	Cum	282.10	Work done upto the Billed Quantity and the Quality is Satisfactory
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set	Sqm	5641.98	Work done upto the Billed Quantity and the Quality is Satisfactory
18	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work	Cum	225.68	Work done upto the Billed Quantity and the Quality is Satisfactory
19	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine	Cum	296.44	Work done upto the Billed Quantity and the Quality is Satisfactory
20	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46	Cum	296.44	Work done upto the Billed Quantity and the Quality is Satisfactory
21	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied	Sqm	566.59	Work done upto the Billed Quantity and the Quality is Satisfactory
22	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and	Nos	790.00	Work done upto the Billed Quantity and the Quality is Satisfactory

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Final bill

Thanking you,

With Regards,

For Silicon Consulting Engineers

SILICON CONSULTING ENGINEERS

#S1317, 4th CROSS BEL 2nd STAGE BHARATH NAGAR ,BANGALORE – 560 091. CELL : 9448353883
E-mail siliconcivilengineers@gmail.com

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SC/QC/110V-Y1/2021-22-2

Date: 10-06-2022

To,
The Executive Engineer,
Yelahanka Division
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Item No	Description of work	Unit	Qty	No of Samples Tested	Frequency	Results Standards
1	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and	Cum	368.69	4	Per 100 cum	Meets Morth V Revision Standards
2	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending,	Ton	20.26	2	Per each dia	Meets Morth V Revision Standards
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs.	Cum	325.69	8	Per 100 cum	Meets Morth V Revision Standards
4	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and	Cum	133.72	4	Per 100 cum	Meets Morth V Revision Standards
5	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165	Nos	5544.00	6	Per 1000 Nos	Meets Morth V Revision Standards
6	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, 60mm thick using cement and course sand	Sqm	310.31	1	Per 500 Sqm	Meets Morth V Revision Standards
7	Construction of granular sub-base Grading V as Sub-base and drainage layer by providing coarse graded crushed stone	Cum	846.30	3	Per 400 cum	Meets Morth V Revision Standards

AE-02 A.E.E

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E-mail siliconcivilengineers@gmail.com

Item No	Description of work	Unit	Qty	No of Samples Tested	Frequency	Results Standards
8	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet	Cum	1153.06	6	Per 200 cum	Meets Morth V Revision Standards
9	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading,	Cum	282.10	3	Per 100 cum	Meets Morth V Revision Standards
10	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed	Cum	225.68	3	Per 100 cum	Meets Morth V Revision Standards
11	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size	Cum	296.44	3	Per 100 cum	Meets Morth V Revision Standards
12	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with	Cum	296.44	3	Per 100 cum	Meets Morth V Revision Standards

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Final bill. The all the samples satisfies the standards requirements as per MORTH V Revision 2013.

Thanking you,

A.E.E

With Regards,

For Silicon Consulting Engineers

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